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PTO/SB/21 (09-04)

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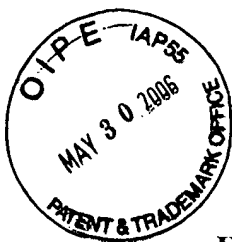
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/020004-Conf. #7232
	Filing Date	December 11, 2001
	First Named Inventor	Charles M. Lieber
	Art Unit	2826
	Examiner Name	Victor A. Mandala
Total Number of Pages in This Submission	Attorney Docket Number	H0498.70164US00

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	WOLF, GREENFIELD & SACKS, P.C.	
Signature		
Printed name	Timothy J. Oyer, Ph.D.	
Date	Reg. No.	36,628

Certificate of Mailing Under 37 CFR 1.8(a)	
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Dated: 5/26/06	Signature: (Angela M. Griffith)



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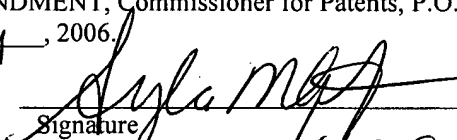
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Charles M. Lieber et al.
Serial No.: 10/020,004
Confirmation No.: 7232
Filed: December 11, 2001
For: NANOSENSORS

Examiner: Victor A. Mandala
Art Unit: 2826

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 26th day of May, 2006.


Signature
Angela McGriff

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 C.F.R. §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicants request consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. §1.114. No fee or certification is required.

PART II: Information Cited

The Applicants hereby make of record in the above-identified application the information listed on the attached form PTO-1449 (modified PTO/SB/08). The order of presentation of the references should not be construed as an indication of the importance of the references.

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 (modified PTO/SB/08) be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicants make no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicants, the Examiner is urged to form his or her own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

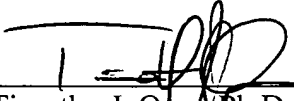
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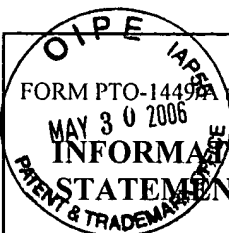
Respectfully submitted,

By:



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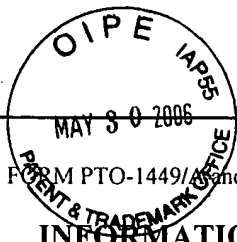
Docket No.: H0498.70164US00
Date: MAY 26, 2006
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FORM PTO-1449A and B (modified PTO/SB/08) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/020,004	ATTY. DOCKET NO.: H0498.70164US00
		FILING DATE: December 11, 2001	CONFIRMATION NO.: 7232
		APPLICANT: Charles M. Lieber et al.	
		GROUP ART UNIT: 2826	EXAMINER: Victor A. Mandala
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U.S. PATENT DOCUMENTS

Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM/DD/YYYY
		Number	Kind Code		
		5,023,139		Birnboim, et al.	06/11/1991
		5,607,876		Biegelsen, et al.	03/04/1997
		5,916,642		Chang	06/29/1999
		6,187,165		Chien, et al.	02/13/2001
		6,231,744		Ying, et al.	05/15/2001
		6,287,765		Cubicciotti	09/11/2001
		6,340,822		Brown, et al.	01/22/2002
		6,359,288		Ying, et al.	03/19/2002
		6,465,132		Jin	10/15/2002
		6,538,367		Choi, et al.	03/25/2003
		6,628,053		Den, et al.	09/30/2003
		6,741,019		Filas, et al.	02/25/2004
		6,762,056		Peeters	07/13/2004
		6,882,767		Yang, et al.	04/19/2005
		6,946,197		Yadav, et al.	09/20/2005
		6,996,147		Majumdar, et al.	02/07/2006
		2002/0055239		Tuominen, et al.	05/09/2002
		2002/0158342		Tuominen, et al.	10/31/2002
		2003/0003300		Korgel, et al.	01/02/2003
		2003/0098488		O'Keeffe, et al.	05/29/2003
		2003/0121764		Yang, et al.	07/03/2003
		2003/0134433		Gabriel, et al.	07/17/2003
		2003/0189202		Li, et al.	10/09/2003
		2003/0197456		Den, et al.	10/23/2003
		2004/0067530		Gruner	04/08/2004
		2004/0157414		Gole, et al.	08/12/2004
		2005/0064185		Buretea, et al.	03/24/2005
		2005/0064731		Park, et al.	03/24/2005
		2005/0066883		Dubrow, et al.	03/31/2005
		2005/0079533		Samuelson, et al.	04/14/2005
		2005/0079659		Duan, et al.	04/14/2005
		2005/0287717		Heald, et al.	12/29/2005
		2006/0008942		Romano, et al.	01/12/2006
		2006/0009003		Romano, et al.	01/12/2006
		2006/0019472		Pan, et al.	01/26/2006



INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/020,004		ATTY. DOCKET NO.: H0498.70164US00	
				FILING DATE: December 11, 2001		CONFIRMATION NO.: 7232	
				APPLICANT: Charles M. Lieber et al.			
				GROUP ART UNIT: 2826		EXAMINER: Victor A. Mandala	
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FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM/DD/YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
		WO	91/06036	A1	Research Corporation Technologies, Inc.	05/02/1991	
		WO	98/48456	A1	Massachusetts Institute of Technology	10/29/1998	
		JP	2000-31462		Canon, Inc.	01/28/2000	Abstract

OTHER ART — NON PATENT LITERATURE DOCUMENTS

	Pavesi, L., et al., "Optical gain in silicon nanocrystals," <i>Nature</i> , Vol. 408, pp. 440-444 (2000).	
	Office Action dated 11/29/2005 in U.S.S.N. 10/995,075	
	Office Action dated 04/07/2006 in U.S.S.N. 10/734,086	
	Search Report from International Application No. PCT/US2003/22753	
	Search Report from International Application No. PCT/US2005/026759	

EXAMINER:	DATE CONSIDERED:
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE – No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]